

AMENDMENTS TO THE SPECIFICATION

Please replace the title of the invention with the following title:

Link State Database Retrieval Using Ternary Content Addressable Memory in
Speeding Up Processing of Routing Protocol on Network

Please replace Paragraph [0003] with the following paragraph rewritten in amendment format:

In addition, the present invention is used for an interface of a packet transfer device, such as an IP router, that executes necessary processing (for example, determining the shortest path to a destination from a destination address, and determining to which channel the packet is to be sent) to packet that is input via an input channel. In particular, the ~~present~~ invention is related to a technique to process received information using a control packet that is received using a routing protocol, such as the Open Shortest Path First (OSPF), or the Intermediate System to Intermediate System (ISIS), or the like.